



FORM - 1449

SHEET 1 OF 8

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2002B123/2 US

SERIAL NO.

10/667,585

APPLICANT

Patrick Brant, et al

FILING DATE

September 22, 2003

GROUP

1713

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PR	AA	2,153,553	04/11/39	Fawcett et al.	260	94	
	AB	2,852,501	09/16/58	W.R. Richard, Jr. et al	260	94.9	
	AC	3,294,772	12/27/66	J.E. Cottle	260	93.7	
	AD	3,725,378	04/03/73	Chamberlin	260	94.9R	
	AE	4,135,044	01/16/79	Beals	526	64	
	AF	4,153,774	05/08/79	Boettcher et al.	526	352.2	
	AG	4,530,914	07/23/85	Ewen et al.	502	113	
	AH	4,794,004	12/27/88	Pfleger et al.	526	64	
	AI	4,962,262	10/09/90	Winter et al.	585	512	
PR	AJ	5,026,798	06/25/91	Canich	526	64	

FOREIGN PATENT DOCUMENTS

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PR	AK	CA 2 103 694	02/09/94	Canada	C08F	004/654		
PR	AL	CA 2 118 711	03/18/93	Canada	C08F	10/06		
PR	AM	DE 41 30 299 A1	03/18/93	Germany	C08F	10/06	X	
PR	AN	EP 0 129 368 B2	04/03/02	Europe	C08F	10/00		
PR	AO	EP 0 480 190 B1	04/15/92	Europe	C08F	10/06	Abstract Only	
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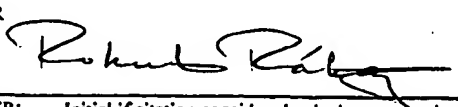
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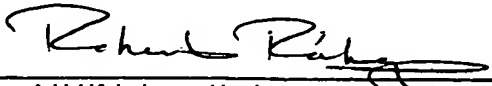
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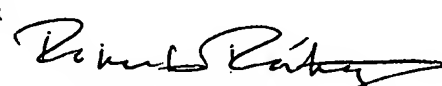
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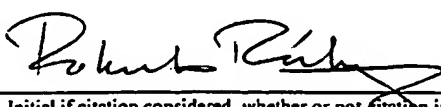
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September 22, 2003		1713						
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PR	AA	5,081,322	01/14/92	Winter et al.	585	9		
	AB	5,084,534	01/28/92	Welborn, Jr. et al.	526	160		
	AC	5,096,867	03/17/92	Canich	502	103		
	AD	5,272,236	12/21/93	Lai et al.	526	348.5		
	AE	5,324,800	06/28/94	Welborn, Jr. et al.	526	160		
	AF	5,326,835	07/05/94	Ahvenainen et al.	526	64		
	AG	5,382,630	01/17/95	Stehling et al.	525	240		
	AH	5,382,631	01/17/95	Stehling et al.	525	240		
	AI	5,391,654	02/21/95	Ahvenainen et al.	526	64		
	AJ	5,408,017	04/18/95	Turner et al.	526	134		
PR	AK	5,416,153	05/16/95	Winter et al.	524	489		
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PR	AL	EP 0 846 696 A1	06/10/98	Europe	C07F	17/00		
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PR	AN	EP 1 008 607 B1	12/17/03	Europe	C08F	210/06		
PR	AO	EP 1 195 391 A1	04/10/02	Europe	C08F	110/06		
PR	AP	JP 342 1202	04/28/98	Japan (w/Abstract)	C08F	2/02	X	
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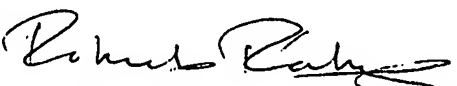
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PK	AA	5,652,308	07/29/97	Merrill et al.	525	211		
	AB	5,693,730	12/02/97	Kuber et al.	526	127		
	AC	5,723,560	03/03/98	Canich	526	351		
	AD	5,723,705	03/03/98	Herrmann et al.	585	9		
	AE	5,756,608	05/26/98	Langhauser et al.	526	127		
	AF	5,840,644	11/24/98	Kuber et al.	502	117		
	AG	5,866,663	02/02/99	Brookhart et al.	526	170		
	AH	5,882,750	03/16/99	Mink et al.	428	35.7		
	AI	5,936,053	08/10/99	Fukuoka et al.	526	351		
	AJ	5,962,719	10/05/99	Winter et al.	556	53		
PK	AK	5,965,674	10/12/99	Moen et al.	526	61		
FOREIGN PATENT DOCUMENTS								
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PK	AL	JP 1998-110003 A	04/28/98	Japan (w/Abstract)	C08F	2/02	Abstract Only	
PK	AM	JP 96-208535	02/17/98	Japan (w/Abstract)	C07C	B01J	Abstract Only	
PK	AN	JP 4-216916 A	09/08/97	Japan (w/Abstract)	C08F	210/16	Abstract Only	
PK	AO	WO 88/04672 A1	06/30/88	PCT	C08F	210/02		
PK	AP	WO 92/14766 A1	09/03/92	PCT	C08F	6/02		
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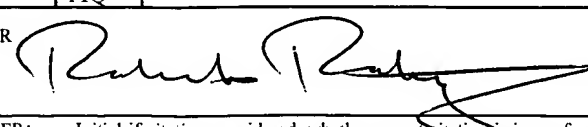
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<i>PR</i>	AA	5,969,062	10/19/99	Moll et al.	526	127		
	AB	5,998,547	12/07/99	Hohner	525	301		
	AC	6,084,041	07/04/00	Andtsjo et al.	526	64		
	AD	6,143,682	11/07/00	Fisher	502	103		
	AE	6,160,072	12/12/00	Ewen	526	351		
	AF	6,218,488	04/17/01	Schiffino et al.	526	133		
	AG	6,225,432	05/01/01	Weng et al.	526	351		
	AH	6,300,451	10/09/01	Mehta et al.	526	339		
	AI	6,355,741	03/12/02	Marechal	526	64		
	AJ	6,562,914	05/13/03	Andtsjo et al.	526	64		
<i>PR</i>	AK	2002013440	01/31/02	Agarwal et al.	526	335		
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<i>PR</i>	AL	WO 93/05082 A1	06/10/93	PCT	C08F	10/00	Abstract only	
<i>PR</i>	AM	WO 93/11171 A1	06/10/93	PCT	C08F	10/00		
<i>PR</i>	AN	WO 94/14856 A1	07/07/94	PCT	C08F	4/646		
<i>PR</i>	AO	WO 96/00246 A1	01/04/96	PCT	C08F	10/02		
<i>PR</i>	AP	WO 96/12744 A1	05/02/96	PCT	C08F	210/18		
<i>PR</i>	AQ	WO 96/34023 A1	10/31/96	PCT	C08F	210/00		
EXAMINER <i>Rohit R. R.</i>					DATE CONSIDERED <i>11/21/05</i>			
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<i>PR</i>	AA	WO 97/11098 A1	03/27/97	PCT	C08F	210/00		
<i>PR</i>	AB	WO 97/13790 A1	04/17/97	PCT	C08F	2/00		
<i>PR</i>	AC	WO 97/45434 A1	12/04/97	PCT	C07F	9/00		
<i>PR</i>	AD	WO 98/33823 A1	08/06/98	PCT	C08F	4/42		
<i>PR</i>	AE	WO 99/02540 A1	01/21/99	PCT	C07F	17/00		
<i>PR</i>	AF	WO 99/29749 A1	06/17/99	PCT	C08F	290/04		
<i>PR</i>	AG	WO 99/32226 A1	07/01/99	PCT	B01J	31/00		
<i>PR</i>	AH	WO 00/12572 A1	03/09/00	PCT	C08F	10/06		
<i>PR</i>	AI	WO 00/37514 A1	06/29/00	PCT	C08F	210/06		
<i>PR</i>	AJ	WO 00/40625 A1	07/13/00	PCT	C08F	210/16		
<i>PR</i>	AK	WO 00/50475 A1	08/31/00	PCT	C08F	10/02		
<i>PR</i>	AL	WO 00/64952 A2	11/02/00	PCT	C08F	10/00		
<i>PR</i>	AM	WO 01/44318 A1	06/21/01	PCT	C08F	10/00		
<i>PR</i>	AN	WO 01/46273 A1	06/28/01	PCT	C08F	10/00		
EXAMINER <i>R. Michael R. R. R.</i>					DATE CONSIDERED <i>11/21/05</i>			
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PR	AA	WO 02/070572 A2	09/12/02	PCT	C08F	210/16	
PR	AB	WO 02/090399 A1	11/14/02	PCT	C08F	210/06	
PR	AC	WO 02/50145 A1	06/27/02	PCT	C08F	236/02	
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
PR	AD	Abstract, P. Lehmus et al., "Metallocene-PP produced under supercritical polymerization conditions", and list of posters, 1st BlueSky Conference on Catalytic Olefin Polymerization, 17-20 June, 2002, Sorrento, Italy					
PR	AE	Abstract, Borealis publications, Lofgren et al., "Metallocene-PP produced under supercritical conditions", 1st BlueSky Conference on Catalytic Olefin Polymerization, June 17-20, 2002, Sorrento, Italy (2002)					
PR	AF	Abstract, Zowade et al., PL 159518, "Manufacturing Low-molecular-weight Isotactic Polypropylene", 09/01/89					
PR	AG	Alt, H.G. ET AL., "Effect of the Nature of Metallocene Complexes of Group IV Metals on Their Performance in Catalytic Ethylene and Propylene Polymerization", Chem. Rev. 100, 2000, pp. 1205-1221					
PR	AH	Akimoto, A., et al., "New Developments in the Production of Metallocene LLDPE by High Pressure Polymerization", Tosoh Corp., Metallocene-Based Polyolefins 2000 (conference proceedings), pp. 287-308 (John Wiley & Sons Ltd.)					
PR	AI	Barnhart, R.W. et al., "Synthesis of Branched Polyolefins Using a Combination of Homogeneous Metallocene Mimics", J. Am. Chem. Soc. 1998, Vol. 120, pp. 1082-1083					
PR	AJ	Bergemann, C., R. et al., "Copolymerization of Ethylene and 1,5-hexadiene under High Pressure Catalyzed by a Metallocene", J. Mol. Catal. A: Chemical 116, 1997, pp. 317-322 (Elsevier)					
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PR	AA	Bergemann, C., R. et al., "Copolymerization of Ethylene and Linear α -Olefins with a Metallocene Catalyst System under High Pressure. Part II. Comparison of Propene, 1-Butene, 1-Hexene, and 1-Decene", J. Mol. Catal. A: Chemical 105, 1996, pp. 87-91 (Elsevier)	
PR	AB	Britovsek, G.J.P. et al., "The Search for New-Generation Olefin Polymerization Catalysts: Life Beyond Metallocenes", Chemie Intl. Edn., 1999, Vol. 38, pp. 428-447	
PR	AC	Bujadoux, G.K., "Use of Bridged and Non-Bridged Metallocene Catalysts in High Pressure/High Temperature Ethylene/ α -Olefin Copolymerization", Metallocenes 95 Intl. Congr, Metallocene Polym. 1995, pp. 375-402, Schotland Bus. Rsrch. Publ.	
PR	AD	Chen, E. Y-X. et al., "Cocatalysts for Metal-Catalyzed Olefin Polymerization: Activators, Activation Processes, and Structure-Activity Relationships", Chem. Rev. 2000, Vol. 100, pp. 1391-1434	
PR	AE	Coates, G.W., "Precise Control of Polyolefin Stereochemistry Using Single Site Metal Catalysts", Chem. Rev. 100, 2000, pp. 1223-1252,	
PR	AF	Cottom, W.P., "Waxes", in Encyclo. Chem. Tech., Vol. 25, pp. 614-626, Fourth edition, 1998	
PR	AG	Eckstein A. et al., "Determination of Plateau Moduli and Entanglement Molecular Weights of Isotactic, Syndiotactic, and Atactic Polypropylenes Synthesized with Metallocene Catalysts", Macromolecules 31, 1998, pp. 1335-1340	
PR	AH	Ewen, J.A. et al., "Syndiospecific Propylene Polymerizations with Group 4 Metallocenes", J. Am. Chem. Soc., 1988, Vol. 110, pp. 6255-6256	
PR	AI	Gotz, C. et al., "MAO-Free Metallocene Based Catalysts in High Pressure Polymerization of Ethylene and 1-Hexene", Chem. Eng. Technol., 21, 1998, pp. 954-957 (Wiley-VCH Verlag GmbH)	
PR	AJ	Hauptman, E. et al., "Stereoblock Polypropylene: Ligand Effects on the stereospecificity of 2-Arylindene Zirconocene Catalysts", J. Am. Chem. Soc. 1995, Vol. 117, pp. 11586-11587	
PR	AK	Ittel, S.D. et al., "Late Metal Catalysts for Ethylene Homo- and Copolymerization", Chem. Rev. 2000, Vol. 100, pp. 1169-1203	
PR	AL	Janiak, C.; "Metallocene Catalysts for Olefin Polymerization", Metallocenes: Synthesis, Reactivity, and Applications, Vol. 2, Wiley-VCH, 1998, pp. 547-614, A. Togni and R.L. Halterman, editors	
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PR	AA	Luft, G., "Development of Metallocene Catalysts and their Application in the High Pressure Polymerisation Process", (Darmstadt University of Technology), PE '99, World Congress Global Technology Update Forum, March 15, 16, 1999, Zurich, Switzerland	
PR	AB	Resconi, L. et al., "Selectivity in Propene Polymerization with Metallocene Catalysts", Chem. Rev. 2000, Vol. 100, pp. 1253-1345	
PR	AC	Schaverien, C.J. et al., "Ethylene Bis(2-indenyl) Zirconocenes: A New Class of Diastereomeric Metallocenes for the (Co)Polymerization of α -Olefins", Organometallics 2001, Vol. 20, No. 16, pp. 3436-3452, (ACI, Columbus, Ohio), Aug. 2001	
PR	AD	Scollard, J.D. et al., "Polymerization of α -Olefins by Chelating Diamide Complexes of Titanium", Macromolecules, 1996, Vol. 29, pp. 5241-5243	
PR	AE	Smith, B.D. et al., "Thermodynamic Data for Pure Compounds Part A, Hydrocarbons and Ketones Physical Sciences Data", Vol. 25, Elsevier, New York, 1986, pp. 308-309.	
PR	AF	Stephenson et al., "Handbook of the Thermodynamics of Organic Compounds", Elsevier Science Publ. NY, p. 75, 1987.	
PR	AG	Stratton, A.W., "Waxes", in Encyclo. Polymer Science and Eng., Vol. 17, pp. 784-795, Second Edition, 1985.	
PR	AH	Suzuki, N. et al., "Olefin Polymerization Using Highly Congested Ansa-Metallocenes Under High Pressure: Formation Of Superhigh Molecular Weight Polyolefins", Macromolecules, 2000, Vol. 33, No. 3, pp. 754-759	
PR	AI	Yano, A., et al., "Homo- and Copolymerization of Ethylene at High Temperature with Cationic Zirconocene Catalysts", Macromol. Chem. Phys. 200, No. 4, pp. 917-923 (Wiley-VCH Verlag GmbH, 1999)	
PR	AJ	Yano, A., et al., "Homo- and Copolymerization of Ethylene by Cationic Hafnocene Catalysts based on Tetrakis(pentafluorophenyl)", Macromol. Chem. Phys. 200, No. 4, 1999, pp. 924-932, (Wiley-VCH Verlag GmbH)	
PR	AK	Yano, A., et al., "Novel Zirconocene Catalysts for the Production of High molecular Weight LLDPE in High Temperature Polymerization", Macromol. Chem. Phys. 200, No. 4, 1999, pp. 933-941, (Wiley-VCH Verlag GmbH)	
PR	AL	USSN 10/667,586, filed 9/22/03, entitled "Supercritical Polymerization Process and Polymers Produced Therefrom", by Palanisamy Arjunan et al.	
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	AO						
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SHEET 1 OF 1

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